Industry Visit to Technology Centre for Offshore and Marine, Singapore (TCOMS)

Itinerary for 19th September 2019 (afternoon)

About TCOMS

TCOMS is a national Centre of Excellence established by the Agency for Science, Technology and Research (A*STAR) and the National University of Singapore (NUS) to spur research excellence and advance Singapore’s Maritime and Offshore industry. The Centre is also supported by the Singapore Economic Development Board (EDB) and the Maritime & Port Authority of Singapore (MPA), and seeks to develop and validate innovative concepts and solutions for Maritime and Offshore operations. Through strategic global partnerships with industry and research institutions, TCOMS aims to push frontiers in the development of safe, reliable and sustainable future systems for mankind.

An anchor research facility of TCOMS is a next generation Deepwater Ocean Basin (DOB) currently being constructed at NUS, which is scheduled for completion in 2019. The ocean basin facility is equipped with state-of-the-art wave and current generation systems that could simulate harsh ocean environments, including those in ultra-deep waters. This would facilitate the development of innovative concepts including intelligent floating platforms and ships, autonomous systems, marine robotics and subsea systems.

A key differentiator in TCOMS is the development of a simulation system featuring the integration of basin modelling, numerical modelling, smart-sensing, and real time data analytics. This novel approach
will not only enhance the value-added services for the clients, but also unleashes new opportunities to better understand non-linear fluid structure interactions in complex sea states. It will also pave the way for the development of intelligent systems that would help transform the Maritime and Offshore industry, especially in the enhancement of efficiency, safety and reliability in harsh environments.

There will be two batches of buses catered. Bus will leave from Carlton Hotel Singapore at 3pm and 4pm.

After the Industry visit, buses will send the delegate backs to Carlton Hotel Singapore. Interested participants please register with ISO/TC8 Secretariat, Ms Jing Wang